

<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/086,986	O'DRISCOLL, GERARD	
	Examiner	Art Unit	
	Antonio A. Caschera	2628	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 11/07/06.
2. ☒ The allowed claim(s) is/are 1-3 and 5-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 5. <input type="checkbox"/> Notice of Informal Patent Application                                 |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|  | 9. <input type="checkbox"/> Other _____.  |

## DETAILED ACTION

### *Examiner's Amendment*

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Patrick Holmes on 01/08/07. The substance of the interview can be found on the attached Examiner-initiated interview summary form.

The application has been amended as follows:

#### *IN THE CLAIMS:*

*1-3. (Previously Presented)*

*4. (Canceled)*

*5-27. (Previously Presented)*

*28. (Currently Amended) A method for generating antialiased lines in a computer graphics system, comprising the actions of:*

*identifying, for at least, one respective entire line, which one of a limited number of directions is most nearly parallel to said line; and*

*performing subpixel sampling on said line with a subpixel multi-point sampling pattern which has maximal resolution approximately normal to said one direction;*

displaying at least one of the respective lines.

29-30. (Previously Presented)

***Allowable Subject Matter***

2. Claims 1-3 and 5-30 are allowed.

The following is an examiner's statement of reasons for allowance:

In reference to claims 1, 5, 13, 19, 22 and 28, the prior art of record does not explicitly disclose determining which of a plurality of orientation classes an entire line falls into and performing antialiasing of the line using a specific subpixel sampling pattern, the specific subpixel sampling pattern chosen based upon the specific determined orientation class the line falls into, in combination with the further limitations of claims 1, 5, 13, 19, 22 and 28 respectively.

In reference to claims 2-3, 6-12, 14-18, 20, 21, 23-27, 29 and 30, claims 2-3, 6-12, 14-18, 20, 21, 23-27, 29 and 30 depend upon allowable claims 1, 5, 13, 19, 22 and 28 respectively and are therefore also deemed allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Response to Arguments***

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3. Applicant's arguments, see pages 8-9 of Applicant's Remarks, filed 11/07/06, with respect to the 35 USC 101 rejection of claims 1-3, 5-12 and 22-30 have been fully considered and are persuasive. The 35 USC 101 rejection of the above claims has been withdrawn since specific claim amendments have been made to overcome the rejection.

4. Applicant's arguments, see pages 10-13 of Applicant's Remarks, filed 11/07/06, with respect to the 35 USC 102 and 103 rejections of claims 1-3 and 5-30, in view of Kubota, have been fully considered and are persuasive. The prior art rejection of the claims has been withdrawn.

#### *References Cited*

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- a. Gritz et al. (U.S. Patent 7,136,081 B2)
  - Gritz et al. discloses a system and method of line sampling object scene information for reconstructing an image of the object scene.

#### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Antonio Caschera whose telephone number is (571) 272-7781. The examiner can normally be reached Monday-Thursday and alternate Fridays between 7:00 AM and 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung, can be reached at (571) 272-7794.

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**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

**571-273-8300 (Central Fax)**

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (571) 272-2600.

aac



1/9/07

**Antonio Caschera**

Patent Examiner



KEE M. TUNG  
SUPERVISORY PATENT EXAMINER